

| | Type | L # | Hits | Search Text | DBs |
|---|------|-----|------|---|--|
| 1 | BRS | L1 | 88 | arm and axle and wheel and angle same sensor and oscillat\$3 and brak\$3 | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 2 | BRS | L2 | 88 | arm and axle and wheel and angle same sensor and oscillat\$3 and brak\$4 | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 3 | BRS | L3 | 194 | arm and wheel and angle same sensor and ((oscillat\$3 rotat\$3 pivot\$3) near10 axle) and brak\$4 | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 4 | BRS | L8 | 3 | ("6056501").URPN. | USPAT |
| 5 | BRS | L9 | 9 | ("4093091" "4393959" "4499541" "4511974" "4520443" "5011358" "5388857" "5666295" "5947516").PN. | US- PGPUB; USPAT; USOCR |
| 6 | IS&R | L10 | 1053 | (37/394, 395, 417, 348).CCLS. | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 7 | BRS | L11 | 32 | 10 and angle near5 sensor and wheel | US- PGPUB; USPAT; EPO; JPO; DERWENT |

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| 8 | BRS | L12 | 2 | 10 and angle near5 sensor and wheel and axle | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 9 | BRS | L13 | 1 | "414" / \$.ccls. and angle near5 sensor and wheel and axle and shovel | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 10 | BRS | L14 | 32 | "414" / \$.ccls. and angle near5 sensor and wheel and axle | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 11 | IS&R | L15 | 46 | (414/235) .CCLS. | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 12 | IS&R | L16 | 303 | (37/394, 395) .CCLS. | US- PGPUB; USPAT; EPO; JPO; DERWENT |

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|----|------|-----|------|---|--|
| 13 | BRS | L17 | 2184 | power adj shovel | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 14 | BRS | L18 | 106 | thrust near3 bearing and (vertic\$5 near5 (rotat\$4 swivel\$4)) and (shovel excavat\$5 bucket) | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 15 | IS&R | L19 | 472 | (180/235,24.01).CCLS. | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 16 | IS&R | L20 | 70 | (414/698).CCLS. | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 17 | IS&R | L21 | 93 | (414/695).CCLS. | US- PGPUB; USPAT; EPO; JPO; DERWEN T |

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|----|------|-----|-------|---|--|
| 18 | BRS | L22 | 11597 | hydraulic near3 (excavator shovel) | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 19 | BRS | L23 | 3146 | hydraulic adj (excavator shovel) and shovel | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 20 | BRS | L24 | 20 | hydraulic adj (excavator shovel) and axle and sensor and wheel | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 21 | BRS | L25 | 71 | hydraulic same (excavator shovel) and axle and sensor and wheel | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 22 | BRS | L26 | 198 | excavat\$5 and axle and sensor and wheel | US- PGPUB; USPAT; EPO; JPO; DERWENT |

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|----|------|-----|------|--|--|
| 23 | BRS | L27 | 14 | excavat\$5 and axle and (pivot\$ angle) near5 sensor and wheel | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 24 | BRS | L28 | 3389 | axle and (pivot\$ angle) near5 sensor and wheel | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 25 | BRS | L29 | 793 | axle same (pivot\$ angle) near5 sensor and wheel | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 26 | BRS | L30 | 350 | 29 and (construction work excavat\$ shovel dragline) | US- PGPUB; USPAT; EPO; JPO; DERWEN T |
| 27 | IS&R | L31 | 348 | (414/697).CCLS. | US- PGPUB; USPAT; EPO; JPO; DERWEN T |

| | Type | L # | Hits | Search Text | DBs |
|----|------|-----|------|--|--|
| 28 | IS&R | L32 | 416 | (414/699).CCLS. | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 29 | IS&R | L33 | 100 | (414/700).CCLS. | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 30 | BRS | L34 | 124 | (31 32 33) and wheel | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 31 | BRS | L35 | 10 | ("4512589").URPN. | USPAT |
| 32 | BRS | L36 | 33 | ("3439927" "3550993" "3792748" "3953040" "4065143" "4090723" "4145073" "4174854" "4205864" "4264014" "4270771" "4279319" "4393959" "4512589" "4705295" "5005858" "5013061" "5116077" "5117950" "5188248" "5230529" "5271632" "5290048" "5338010" "5368322" "5388857" "5447331" "5449194" "5639119" "5735540" "Re35168").PN. | US- PGPUB; USPAT; USOCR |

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| 33 | BRS | L37 | 33 | ("3439927" "3550993" "3792748" "3953040" "4065143" "4090723" "4145073" "4174854" "4205864" "4264014" "4270771" "4279319" "4393959" "4512589" "4705295" "5005858" "5013061" "5116077" "5117950" "5188248" "5230529" "5271632" "5290048" "5338010" "5368322" "5388857" "5447331" "5449194" "5639119" "5735540" "Re35168") . PN. | US- PGPUB; USPAT; USOCR |
| 34 | BRS | L38 | 10 | ("3099358" "3250410" "3669286" "3703973" "3712490" "3717269" "4049139") . PN. | US- PGPUB; USPAT; USOCR |
| 35 | BRS | L39 | 8 | ("3669286") . URPN. | USPAT |
| 36 | IS&R | L40 | 611 | (180/41) . CCLS. | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 37 | BRS | L41 | 297 | 40 and wheel | US- PGPUB; USPAT; EPO; JPO; DERWENT |
| 38 | BRS | L42 | 129 | 40 and wheel and axle | US- PGPUB; USPAT; EPO; JPO; DERWENT |